

Exhibit B

Scientific Air Analysis, Inc.

47 Fatima Drive
Ashland, MA 01721
USA

Voice: 508-881-7100
Fax: 508-881-7105

000001
INVOICE

Invoice Number: 8410
Invoice Date: 6/28/12
Page: 1

NEW ENGLAND COMPOUNDING CENTER
ATTEN: ACCOUNTS PAYABLE
697 WAVERLY STREET
FRAMINGHAM, MA 01702

Customer ID: NECC

CUSTOMER ID	PAYMENT TERMS	SALES REP ID	
	Net 30 Days		7/28/12

TESTING AND CERTIFICATION OF THIRTEEN HOODS, FOUR ISOLATORS AND THE CLEANROOM 1. 2,700.00

SUITE.

WORK COMPLETED ON 6-22-12 FOR ANNETTE ROBINSON.

P A I D

Subtotal	2,700.00
Sales Tax	
Total Invoice Amount	2,700.00
Payment/Credit Applied	

Check/Credit Memo No:

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Scientific Air Analysis, Inc.

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CLEANROOM 1 CERTIFICATION REPORT: PARTICLE COUNTS
 PRESSURE DIFFERENTIALS
 TEMPERATURE & REL. HUMIDITY

FREIGHT	FT3 / M3	MIDDLE	FT3 / M3	PEOPLE FT3 / M3
276 / 9,714	313 / 11,013	126 / 4,440	220 / 7,761	149 / 5,224
243 / 8,538	160 / 5,622	203 / 7,167	562 / 19,788	69 / 2,447
124 / 4,369	224 / 7,571	287 / 10,104	343 / 12,082	179 / 6,293
483 / 17,014				236 / 8,321
CLEANROOM 1 CUBIC FEET / CUBIC METERS				

NEW ENGLAND COMPOUNDING
 50 FOUNTAIN STREET
 FRAMINGHAM, MA 01702

TESTING DATE: 6-22-12

105 / 3,706	44 / 1,573	100 / 3,531	99 / 3,469	75 / 2,629
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34 / 1,214	8 / 280	122 / 4,311	89 / 3,126	96 / 3,368
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209 / 7,377	120 / 4,230	85 / 2,991	126 / 4,428	105 / 3,707
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PARTICLES MEASURED AND RECORDED AT .5 MICRON SIZE IN CUBIC FEET AND CUBIC METERS OF AIR
 IN ACCORDANCE WITH ISO 14644-1.

CLASS 6 LIMITS: CUBIC FEET - 1,000 / CUBIC METERS - 35,200

CLEANROOM, FREIGHT, MIDDLE AND PEOPLE ROOMS MEET ISO CLASS 6 DESIGNATION.
 ALL TESTING WAS PERFORMED WITH THE ROOMS AT REST.

PRESSURE DIFFERENTIALS:

CLEANROOM > PEOPLE -	.0010 POS
MIDDLE > PEOPLE -	.0013 POS
CLEANROOM > MIDDLE -	.0010 POS
MIDDLE > FREIGHT -	.009 POS
CLEANROOM > FREIGHT -	.041 POS
CLEANROOM > AMBIENT -	.039 POS
PEOPLE > AMBIENT -	.028 POS

TEMPERATURE: 63.5° REL. HUMIDITY: 48.7%

TECHNICIAN: *Steve O'Neil*

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CLEANROOM 1 CERTIFICATION REPORT: SUPPLY CFM
 AIR CHANGES PER HOUR

FREIGHT	AC / HR: 18	AC / HR: 36	MIDDLE	AC / HR: 60	PEOPLE
1 - 428		4 - 356	1 - 343	1 - 371	
		5 - 386		2 - 310	
2 - 429		6 - 382	2 - 286	3 - 356	
			3 - 395	4 - 397	
AVG: 429	CFM: 857	AVG: 353	CFM: 2,648	5 - 315	
				6 - 307	
1 - 410	9 - 377	22 - 377	31 - 359	AVG: 343	
		23 - 353	32 - 347	CFM: 2,056	
	10 - 290		47 - 353		
2 - 362	11 - 327	24 - 332	33 - 325	61 - 321	
		25 - 392	34 - 341	62 - 358	
3 - 395	12 - 321		48 - 381	63 - 349	
	13 - 362		49 - 328	64 - 412	
4 - 398	14 - 391		50 - 416	65 - 462	
	15 - 376		51 - 347	66 - 351	
5 - 420	16 - 350	26 - 227	52 - 369	67 - 321	
	17 - 406	27 - 377	53 - 372	68 - 402	
6 - 362	18 - 350	28 - 352	39 - 330	69 - 332	
	19 - 295	29 - 172	40 - 345	70 - 334	
7 - 410	20 - 356	30 - 400	41 - 333	71 - 323	
	21 - 388		42 - 313	72 - 411	
8 - 322	AVG CFM: 352	AC / HR: 75	43 - 390	73 - 361	
			44 - 289	74 - 357	
			45 - 298	75 - 366	

NEW ENGLAND COMPOUNDING
 50 FOUNTAIN STREET
 FRAMINGHAM, MA 01702

TESTING DATE: 6-22-12

CLEANROOM

SUPPLY CFM :	CLEANROOM :	FREIGHT :	MIDDLE :	PEOPLE :
100M VOL. :	26,419	857	2,468	2,056
HR CHGS / HR :	21,161 FT3	3,090 FT3	4,075 FT3	2,065 FT3
	75	17	36	60

TECHNICIAN: *Steve O'Brien*

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ISOTECH DESIGN MICROSPHERE MICROENVIRONMENT CERTIFICATION REPORT: PARTICLE COUNT RECORDINGS

FILTER HOUSING : DESIGN FILTRATION INC. - SELF CONTAINED FAN POWERED HEPA UNITS
 MODEL #: DA4-1H DA3-1H
 SERIAL #: 820 822

#1	#2	
0	0	0
0	0	0

NEW ENGLAND COMPOUNDING
 687 WAVERLY STREET
 FRAMINGHAM, MA. 01702

TESTING DATE : 6-22-12

TEST #: 20272

PARTICLES MEASURED AT .5 MICRON SIZE AND RECORDED IN CUBIC
 METERS OF AIR IN ACCORDANCE WITH ISO STANDARD 14644-1.

BOTH CHAMBERS HAVE BEEN CERTIFIED AS ISO CLASS 4.

TECHNICIAN : *Steve O'Neil*

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ISOTECH DESIGN MICROSPHERE MICROENVIRONMENT CERTIFICATION REPORT : AIRFLOW PROFILES / FILTER INTEGRITY TEST

FILTER HOUSING : DESIGN FILTRATION INC. - SELF CONTAINED FAN POWERED HEPA UNITS
 MODEL # : DA4-1H DA3-1H
 SERIAL # : 820 822

#1		#2			
81	80	82	91	93	91
79	85	88	80	82	90
85	92				
86	80	79	85	95	92
		84	87		
		20%	20%		

NEW ENGLAND COMPOUNDING
 697 WAVERLY STREET
 FRAMINGHAM, MA. 01702

TESTING DATE : 6-22-12
 TEST #: 20272

AVG LFM : 84
 BLOWER SPEED : 20%

AIRFLOW RANGE : 72-108 LFM AVERAGE

FILTER INTEGRITY LEAK TEST : NO PENETRATION OF GREATER THAN .01%

FILTER # : PENETRATION % : PASS / FAIL :

#1 .0018% PASS

#2 .0020% PASS

CHANGE PREFILTERS (16" X 20" X 2") AT LEAST ANNUALLY.

TECHNICIAN : *Steve O'Neil*

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ISOTECH DESIGN MICROSPHERE MICROENVIRONMENT CERTIFICATION REPORT:
PARTICLE COUNT RECORDINGS

FILTER HOUSING : DESIGN FILTRATION INC. - SELF CONTAINED FAN POWERED HEPA UNITS
 MODEL # : 41103 DF 41103 DF 41103 DF 41103 DF 41103 DF
 SERIAL # : 102928 102927 102929 102933 102897

#1	#2	#3	#4	#5
0	0	0	0	0
0	0	0	0	0

NEW ENGLAND COMPOUNDING
 697 WAVERLY STREET
 FRAMINGHAM, MA. 01702

TESTING DATE : 6-22-12
 TEST #: 20158

PARTICLES MEASURED AT .5 MICRON SIZE AND RECORDED IN CUBIC METERS OF AIR
 IN ACCORDANCE WITH ISO STANDARD 14644-1.

THIS AREA, CONSISTING OF FIVE FILTERS, HAS BEEN CERTIFIED AS MEETING ISO CLASS 4.

TECHNICIAN : *Stan O'Neil*

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ISOTECH DESIGN MICROSPHERE MICROENVIRONMENT CERTIFICATION REPORT : AIRFLOW PROFILES / FILTER INTEGRITY TEST

FILTER HOUSING : DESIGN FILTRATION INC. - SELF CONTAINED FAN POWERED HEPA UNITS

MODEL # : 41103 DF 41103 DF 41103 DF 41103 DF 41103 DF
 SERIAL # : 102928 102927 102929 102933 102897

#1	#2	#3	#4	#5
52	53	51	56	52
50	56	54	51	52
52	58	53	57	58
51	55	50	54	56
	53	53	54	57
AVG LFM :				53
BLOWER SPEED :	10%	10%	20%	15%

NEW ENGLAND COMPOUNDING
 697 WAVERLY STREET
 FRAMINGHAM, MA. 01702

TESTING DATE : 6-22-12
 TEST #: 20158

AIRFLOW RANGE : 50-60 LFM AVERAGE

FILTER INTEGRITY LEAK TEST : NO PENETRATION OF GREATER THAN .01%

FILTER # : PENETRATION % : PASS / FAIL :

#1 -	.0013%	PASS
#2 -	.0012%	PASS
#3 -	.0004%	PASS
#4 -	.0006%	PASS
#5 -	.0011%	PASS

MAIN CHAMBER PRESSURE: .10 POS

TECHNICIAN : *Steve O'Brien*

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ISOTECH DESIGN MICROSPHERE MICROENVIRONMENT CERTIFICATION REPORT : PARTICLE COUNT RECORDINGS

FILTER HOUSING : DESIGN FILTRATION INC. - SELF CONTAINED FAN POWERED HEPA UNITS

MODEL # : 41103 DF 41103 DF 41103 DF 41103 DF 41103 DF
 SERIAL # : 102911 102931 102912 102915 102926

#1	#2	#3	#4	#5
0	0	0	0	0
0	0	0	0	0

NEW ENGLAND COMPOUNDING
 697 WAVERLY STREET
 FRAMINGHAM, MA. 01702

TESTING DATE : 6-22-12

TEST # : 20268

PARTICLES MEASURED AT .5 MICRON SIZE AND RECORDED IN CUBIC METERS OF AIR
 IN ACCORDANCE WITH ISO STANDARD 14644-1.

THIS AREA, CONSISTING OF FIVE FILTERS, HAS BEEN CERTIFIED AS MEETING ISO CLASS 4.

TECHNICIAN :

Steve O'Neil

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ISOTECH DESIGN MICROSPHERE MICROENVIRONMENT CERTIFICATION REPORT: AIRFLOW PROFILES / FILTER INTEGRITY TEST

FILTER HOUSING : DESIGN FILTRATION INC. - SELF CONTAINED FAN POWERED HEPA UNITS

MODEL # : 41103 DF 41103 DF 41103 DF 41103 DF 41103 DF
 SERIAL # : 102911 102931 102912 102915 102926

#1	#2	#3	#4	#5
57	62	57	50	63
56	61	53	48	61
54	50	51	50	57
56	51	56	50	59
	58	50	61	52
BLOWER SPEED :	5%	10%	10%	10%

NEW ENGLAND COMPOUNDING
 897 WAVERLY STREET
 FRAMINGHAM, MA. 01702

TESTING DATE : 6-22-12

TEST #: 20268

AIRFLOW RANGE : 50-60 LFM AVERAGE

FILTER INTEGRITY LEAK TEST : NO PENETRATION OF GREATER THAN .01%

FILTER #: PENETRATION % : PASS / FAIL :

#1 -	.0013%	PASS
#2 -	.0014%	PASS
#3 -	.0008%	PASS
#4 -	.0005%	PASS
#5 -	.0010%	PASS

MAIN CHAMBER PRESSURE: .140 POS.

TECHNICIAN : *Steve O'Brien*

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ISOTECH DESIGN MICROSPHERE MICROENVIRONMENT CERTIFICATION REPORT : PARTICLE COUNT RECORDINGS

FILTER HOUSING : DESIGN FILTRATION INC., - SELF CONTAINED FAN POWERED HEPA UNITS
 MODEL # : MICROSPHERE
 SERIAL # : 03-5G08P02

#1	#2	#3	#4	#5
0	0	0	0	0
0	0	0	0	0

NEW ENGLAND COMPOUNDING
 697 WAVERLY STREET
 FRAMINGHAM, MA. 01702

TESTING DATE : 6-22-12
 TEST #: 19672

PARTICLES MEASURED AT .5 MICRON SIZE AND RECORDED IN CUBIC METERS OF AIR
 IN ACCORDANCE WITH ISO STANDARD 14644-1.

THIS AREA, CONSISTING OF FIVE FILTERS, HAS BEEN CERTIFIED AS MEETING ISO CLASS 4.

TECHNICIAN : *Steve O'Hare*

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ISOTECH DESIGN MICROSPHERE MICROENVIRONMENT CERTIFICATION REPORT : AIRFLOW PROFILES / FILTER INTEGRITY TEST

FILTER HOUSING : DESIGN FILTRATION INC. - SELF CONTAINED FAN POWERED HEPA UNITS
 MODEL # : MICROSPHERE
 SERIAL # : 03-5G08P02

#1	#2	#3	#4	#5
61	60	67	63	61
62	58	61	58	67
54	61	62	64	53
59	65	61	61	62
	60	62	58	62
LOWER SPEED :	15%	15%	15%	15%

NEW ENGLAND COMPOUNDING
 697 WAVERLY STREET
 FRAMINGHAM, MA. 01702

TESTING DATE : 6-22-12
 TEST #: 19672

AIRFLOW RANGE : 50-70 LFM AVERAGE

FILTER INTEGRITY LEAK TEST : NO PENETRATION OF GREATER THAN .01%

FILTER # : PENETRATION % : PASS / FAIL :

#1 -	.0012%	PASS
#2 -	.0013%	PASS
#3 -	.0017%	PASS
#4 -	.0009%	PASS
#5 -	.0016%	PASS

MAIN CHAMBER PRESSURE: .215 POS.

PREFILTERS ARE CLEAN, CLEAN OR REPLACE PREFILTERS AT LEAST ANNUALLY.

TECHNICIAN : *Stu O'Brien*

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT: *Wecc*TEST #: *18663*

ADDRESS:

ID #:

CITY, STATE:

MODEL #: *FS 10300*

CONTACT:

SERIAL #: *FL-N-11-02*

TEL #:

LOCATION: *clean room 1*TEST DATE: *6-22-12*NEW/USED: *Used*RECALL DATE: *12-31-12*PASS/FAIL: *PASSED*

AIRFLOW VELOCITY

ACCEPTANCE RANGE: *60 - 90* FPM*R1: 68 74 72 81 76**R2: 81 73 70 67 68**R3: 64 71 68 73 69**8" X 32" = 1.28**L: 64 H: 81 AVG FPM: 72 - 128 CFM*AIRFLOW GAUGE: *NA* IOW: MOTOR SPEED: *40* %

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE;
 THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

AVM430-A, AVM430751001	4-12-11	822/272103	A1:
AVM430-A, AVM430803002	5-03-11	822/272103	A2:
AVM430-A, AVM431139001	9-20-11	822/249620	A3:
AXD620, AXD62114001	9-27-11	822/272103	A4:
ATI TDA-2G, 11119	11-08-11	822/272103	A5:

COMMENTS:

- NO ADJUSTMENTS REQUIRED AT THIS TIME.
- HOOD FAILED; ACTION REQUIRED.
- PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE.
- INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

Steve O'Leary

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT: *Necc* TEST #: 18661

ADDRESS: ID #:

CITY, STATE: MODEL #: FS 2630D

CONTACT: SERIAL #: 11-N-11-01

TEL #: LOCATION: Clean Room 1

TEST DATE: 6-22-12 NEW/USED: USED

RECALL DATE: 12-31-12 PASS/FAIL: PASSED

AIRFLOW VELOCITY

ACCEPTANCE RANGE: 60 - 90 FPM

R1: 71 66 81 91 77

$$8'' \times 32'' = 1.78 \text{ ft}^2$$

R2: 73 81 88 78 62

R3: 76 77 75 63 90

L: 62 H: 91 AVG FPM: 77 - 136 CFM

AIRFLOW GAUGE: N/A IOW: MOTOR SPEED: 50 %

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE; THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

AVM430-A, AVM430751001 4-12-11 822/272103 A1:

AVM430-A, AVM430803002 5-03-11 822/272103 A2:

AVM430-A, AVM431139001 9-20-11 822/249620 A3:

AXD620, AXD62114001 9-27-11 822/272103 A4:

ATI TDA-2G, 11119 11-08-11 822/272103 A5:

COMMENTS:

[] NO ADJUSTMENTS REQUIRED AT THIS TIME.

[] HOOD FAILED; ACTION REQUIRED.

[] PREFILTER(S) WITHIN TOLERANCE. [] PREFILTER(S) DIRTY; CLEAN OR REPLACE.

[] INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

Stan O'Leary

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT: *Necc*

TEST #: 18662

ADDRESS:

ID #:

CITY, STATE :

MODEL #: FS 10300

CONTACT:

SERIAL #: 04-S15-01

TEL #:

LOCATION: Clean Room 1

TEST DATE: 6-22-12

NEW/USED: Used

RECALL DATE: 12-31-12

PASS/FAIL: PASSED

AIRFLOW VELOCITY

ACCEPTANCE RANGE: 60 - 90 FPM

R1: 94 82 68 61 73

8" x 32" = 1.78 ft²

R2: 78 71 67 82 84

R3: 90 81 71 66 64

L: 61 H: 94 AVG FPM: 76 - 134 CFM

AIRFLOW GAUGE: NA IOW: MOTOR SPEED: 50 %

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE; THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

AVM430-A, AVM430751001	4-12-11	822/272103	A1:
AVM430-A, AVM430803002	5-03-11	822/272103	A2:
AVM430-A, AVM431139001	9-20-11	822/249620	A3:
AXD620, AXD62114001	9-27-11	822/272103	A4:
ATI TDA-2G, 11119	11-08-11	822/272103	A5:

COMMENTS:

- NO ADJUSTMENTS REQUIRED AT THIS TIME.
- HOOD FAILED; ACTION REQUIRED.
- PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE.
- INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORTCLIENT: *NECC*TEST #: *18031*

ADDRESS:

ID #:

CITY, STATE:

MODEL #: *FS10300M*

CONTACT:

SERIAL #: *05-M-17-15*

TEL #:

LOCATION: *Clean Rm. 1*TEST DATE: *6-22-12*NEW/USED: *Used*RECALL DATE: *12-30-12*PASS/FAIL: *PASS***AIRFLOW VELOCITY**ACCEPTANCE RANGE: 60 - 90 FPM $Ad: 8'' \times 32'' = 1.78$

R1:

4"

R2:

R3:

*78 92 81 77 94 88**94* AVG FPM: *85**CFM = 167*

AIRFLOW GAUGE:

IOW:

MOTOR SPEED: *45%**N/A***TEST RESULTS**

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE;
 THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

AVM430-A, AVM430751001	4-12-11	822/272103	A1:
AVM430-A, AVM430803002	5-03-11	822/272103	<i>A2</i>
AVM430-A, AVM431139001	9-20-11	822/249620	A3:
AXD620, AXD62114001	9-27-11	822/272103	A4:
ATI TDA-2G, 11119	11-08-11	822/272103	<i>A5</i>

COMMENTS:

NO ADJUSTMENTS REQUIRED AT THIS TIME.
 HOOD FAILED; ACTION REQUIRED.
 PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE.
 INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:*Paul O'Neill*

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT: NECC TEST #: 20269
 ADDRESS: ID #: H0R2 - 2C
 CITY, STATE: MODEL #: EG 8252
 CONTACT: SERIAL #: 91437
 TEL #: LOCATION: CLN Rm. 1
 TEST DATE: 6-22-12 NEW/USED: Used
 RECALL DATE: 12-31-12 PASS/FAIL: PASS

AIRFLOW VELOCITY

ACCEPTANCE RANGE: 90 - 110 FPM

R1: 93 96 98 97	90 106 95 98
R2: 97 89 95 106	87 92 99 96
R3: 91 103 105 98	96 107 104 110
L: 87	H: 110 AVG FPM: 98

AIRFLOW GAUGE: N/A IOW: MOTOR SPEED: 20/20%

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE;
 THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS:	CALIBRATED:	NIST #:	ID # USED:
AVM430-A, AVM430751001	4-12-11	822/272103	A1:
AVM430-A, AVM430803002	5-03-11	822/272103	A2:
AVM430-A, AVM431139001	9-20-11	822/249620	A3:
AXD620, AXD62114001	9-27-11	822/272103	A4:
ATI TDA-2G, 11119	11-08-11	822/272103	A5:

COMMENTS:

- NO ADJUSTMENTS REQUIRED AT THIS TIME.
- HOOD FAILED; ACTION REQUIRED.
- PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE.
- INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

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 1-800-287-5252 MA ONLY

UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE PARTICLE COUNT RECORDINGS

CLIENT:	NECC	TEST #:	20269
ID #:	HORZ 2C	TEST DATE:	6-22-12
MODEL #:	EG 8252	RECALL DATE:	12-31-12
SERIAL #:	91437	NEW/USED:	Used
LOCATION:	CLN RM. 1	PASS/FAIL:	PAS

WORK SURFACE AREA

B.5:		
F.5:		
<u>PARTICLES PER CUBIC METERS</u>		<u>PARTICLES PER CUBIC FEET</u>

TEST RESULTS

PASS/FAIL: THIS HOOD IS CERTIFIED AS MEETING ISO CLASS 5 IN ACCORDANCE WITH ISO STANDARD 14644-1. THE MAXIMUM PARTICLE LIMIT FOR COMPLIANCE TO ISO CLASS 5 AT .5 MICRON SIZE IS 3520 PARTICLES PER CUBIC METER AND 100 PARTICLES PER CUBIC FOOT.

THE SAMPLING RATE IS 1 CFM. THE LOCATIONS SAMPLED WERE APPROXIMATELY SIX INCHES FROM THE FRONT AND BACK OF THE UNIT AND SPACED EVENLY FROM SIDE TO SIDE.

TESTING INSTRUMENTS	CALIBRATED	NIST #	ID # USED
LWS PARTICLE COUNTER HH 3013, 111160001	11-08-11	822/272103	<u>A1:</u>
MET-ONE PARTICLE COUNTER 3313-LLD-SS, 050601026	10-04-11	822/271458	A2:

CERTIFIER:

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT : NECC TEST #: 20270
 ADDRESS : ID #: H0RZ 2B
 CITY, STATE : MODEL #: EG 8252
 CONTACT : SERIAL #: 91436
 TEL #: LOCATION : CLN RM. 1
 TEST DATE : 6-22-12 NEW/USED : USED
 RECALL DATE : 12-31-12 PASS/FAIL : PASS

AIRFLOW VELOCITY

ACCEPTANCE RANGE: 90 - 110 FPM

R1:	91 88 97 102	98 95 108 94
R2:	106 92 94 99	97 106 99 95
R3:	96 94 108 99	106 102 98 108
L:	88	H: 108 AVG FPM: 99

AIRFLOW GAUGE: N/A IOW: MOTOR SPEED 25/25 %

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE; THERE ARE NO DEAD SPOTS OR REFUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

AVM430-A, AVM430751001	4-12-11	822/272103	A1:
AVM430-A, AVM430803002	5-03-11	822/272103	A2:
AVM430-A, AVM431139001	9-20-11	822/249620	A3:
AXD620, AXD62114001	9-27-11	822/272103	A4:
ATI TDA-2G, 11119	11-08-11	822/272103	A5:

COMMENTS :

- NO ADJUSTMENTS REQUIRED AT THIS TIME.
- HOOD FAILED; ACTION REQUIRED.
- PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE.
- INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE PARTICLE COUNT RECORDINGS

CLIENT:	NECC	TEST #:	20270
ID #:	HORZ - 2B	TEST DATE:	6-22-12
MODEL #:	EG 8252	RECALL DATE:	12-31-12
SERIAL #:	91436	NEW/USED:	Used
LOCATION:	CIN RM. 1	PASS/FAIL:	Pass

WORK SURFACE AREA

B .5 :	<u>○ ○ ○ ○</u>	<u>○ ○ ○ ○</u>
F .5 :	<u>○ ○ ○ ○</u>	<u>○ ○ ○ ○</u>
<u>PARTICLES PER CUBIC METERS</u>		<u>PARTICLES PER CUBIC FEET</u>

TEST RESULTS

PASS / FAIL : THIS HOOD IS CERTIFIED AS MEETING ISO CLASS 5 IN ACCORDANCE WITH ISO STANDARD 14644-1. THE MAXIMUM PARTICLE LIMIT FOR COMPLIANCE TO ISO CLASS 5 AT .5 MICRON SIZE IS 3520 PARTICLES PER CUBIC METER AND 100 PARTICLES PER CUBIC FOOT.

THE SAMPLING RATE IS 1 CFM. THE LOCATIONS SAMPLED WERE APPROXIMATELY SIX INCHES FROM THE FRONT AND BACK OF THE UNIT AND SPACED EVENLY FROM SIDE TO SIDE.

TESTING INSTRUMENTS	CALIBRATED	NIST #	ID # USED
LWS PARTICLE COUNTER HH 3013, 111160001	11-08-11	822/272103	(A1 :)
MET-ONE PARTICLE COUNTER 3313-LLD-SS, 050601026	10-04-11	822/271458	A2 :

CERTIFIER :

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT:	NECC	TEST #:	20275
ADDRESS:		ID #:	Horz - 2A
CITY, STATE:		MODEL #:	EG 8252
CONTACT:		SERIAL #:	91435
TEL #:		LOCATION:	CLN RM. 1
TEST DATE:	6-22-12	NEW/USED:	Used
RECALL DATE:	12-31-12	PASS/FAIL:	PASS

AIRFLOW VELOCITY

ACCEPTANCE RANGE: 90 - 160 FPM

R1: 81 98 93 97	94 100 96 99
R2: 99 98 107 96	98 103 95 105
R3: 104 99 106 106	97 109 107 102

L: 87 H: 109 AVG FPM: 100

AIRFLOW GAUGE: N/A IOW: MOTOR SPEED 25/25%

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE; THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS:	CALIBRATED:	NIST #:	ID # USED:
AVM430-A, AVM430751001	4-12-11	822/272103	A1
AVM430-A, AVM430803002	5-03-11	822/272103	A2
AVM430-A, AVM431139001	9-20-11	822/249620	A3
AXD620, AXD62114001	9-27-11	822/272103	A4
ATI TDA-2G, 11119	11-08-11	822/272103	A5

COMMENTS:

- NO ADJUSTMENTS REQUIRED AT THIS TIME.
- HOOD FAILED; ACTION REQUIRED.
- PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE.
- INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE PARTICLE COUNT RECORDINGS

CLIENT:	NECC	TEST #:	20275
ID #:	HORZ - 2A	TEST DATE:	6-22-12
MODEL #:	EG 8252	RECALL DATE:	12-31-12
SERIAL #:	91435	NEW/USED:	Used
LOCATION:	CCW R.H. 1	PASS/FAIL:	PASS

WORK SURFACE AREA

B.S.:	○ ○ ○ ○	○ ○ ○ ○
F.S.:	○ ○ ○ ○	○ ○ ○ ○
<u>PARTICLES PER CUBIC METERS</u>		<u>PARTICLES PER CUBIC FEET</u>

TEST RESULTS

(CIRCLE) PASS/FAIL: THIS HOOD IS CERTIFIED AS MEETING ISO CLASS 5 IN ACCORDANCE WITH ISO STANDARD 14644-1. THE MAXIMUM PARTICLE LIMIT FOR COMPLIANCE TO ISO CLASS 5 AT .5 MICRON SIZE IS 3520 PARTICLES PER CUBIC METER AND 100 PARTICLES PER CUBIC FOOT.

THE SAMPLING RATE IS 1 CFM. THE LOCATIONS SAMPLED WERE APPROXIMATELY SIX INCHES FROM THE FRONT AND BACK OF THE UNIT AND SPACED EVENLY FROM SIDE TO SIDE.

TESTING INSTRUMENTS	CALIBRATED	NIST #	ID # USED
LWS PARTICLE COUNTER HH 3013, 111160001	11-08-11	822/272103	(CIRCLE) A1 :
MET-ONE PARTICLE COUNTER 3313-LLD-SS, 050601026	10-04-11	822/271458	A2 :

CERTIFIER:

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT: NECC

TEST #:

20505

ADDRESS:

ID #:

H082-1

CITY, STATE:

MODEL #:

EG 8252

CONTACT:

SERIAL #:

95032

TEL #:

LOCATION:

CLN RM. 1

TEST DATE: 6-22-12

NEW/USED:

Used

RECALL DATE: 12-31-12

PASS/FAIL:

Pass

AIRFLOW VELOCITY

ACCEPTANCE RANGE: 90 - 110 FPM

R1: 100 95 102 96	96 103 99 102
R2: 91 86 98 95	94 90 94 88
R3: 98 105 106 99	103 110 99 107

L: 86 H: 110 AVG FPM: 98

AIRFLOW GAUGE:

N/A

LOW:

MOTOR SPEED 40/40%

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE; THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

AVM430-A, AVM430751001	4-12-11	822/272103	A1
AVM430-A, AVM430803002	5-03-11	822/272103	A2
AVM430-A, AVM431139001	9-20-11	822/249620	A3
AXD620, AXD62114001	9-27-11	822/272103	A4
ATI TDA-2G, 11119	11-08-11	822/272103	A5

COMMENTS:

- NO ADJUSTMENTS REQUIRED AT THIS TIME.
- HOOD FAILED; ACTION REQUIRED.
- PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE.
- INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE
PARTICLE COUNT RECORDINGS

CLIENT: NECC TEST #: 20505
 ID #: H0R2-1 TEST DATE: 6-22-12
 MODEL #: EG 8252 RECALL DATE: 12-31-12
 SERIAL #: 95032 NEW/USED: USED
 LOCATION: CLN Rm. 1 PASS/FAIL: PASS

WORK SURFACE AREA**TEST RESULTS**

PASS/FAIL: THIS HOOD IS CERTIFIED AS MEETING ISO CLASS 5 IN ACCORDANCE WITH ISO STANDARD 14644-1. THE MAXIMUM PARTICLE LIMIT FOR COMPLIANCE TO ISO CLASS 5 AT .5 MICRON SIZE IS 3520 PARTICLES PER CUBIC METER AND 100 PARTICLES PER CUBIC FOOT.

THE SAMPLING RATE IS 1 CFM. THE LOCATIONS SAMPLED WERE APPROXIMATELY SIX INCHES FROM THE FRONT AND BACK OF THE UNIT AND SPACED EVENLY FROM SIDE TO SIDE.

TESTING INSTRUMENTS	CALIBRATED	NIST #	ID # USED
LWS PARTICLE COUNTER HH 3013, 111160001	11-08-11	822/272103	A1:
MET-ONE PARTICLE COUNTER 3313-LLD-SS, 050601026	10-04-11	822/271458	A2:

CERTIFIER:



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BIOLOGICAL SAFETY CABINET SERVICE REPORT

NECC

CLIENT:

TEST #: 20504

TEST DATE: 6-22-12 RECALL DATE: 12-31-12

ID #: HOOD - S

MODEL # SG 603A-HE SERIAL #: 97602

LOCATION: CW RM. 1

NEW/USED: USED

PASS/FAIL: PASS

SUPPLY AIRFLOWS

RANGE:

(47-57)	SR: 50 53 53 51 49 55 53
(47-58)	SC: 49 52 49 51 54 50 54
(40-50)	SF: 44 46 47 43 48 45 42

AVG FPM: PASS/FAIL:

52	P
51	P
45	P

EXHAUST AIRFLOWS

EXHAUST RANGE: 258 - 285 FPM

R1: 264	264	273
R2: 278	272	280
R3: 270	259	261
R4: 283	266	270

DUCTED: NO

CF: 3 LFM

EXH OP: 1.46 FT2

ACC OP: 3.89 FT2

MOTOR SPEED: 35 %

FACE VELOCITY: 104
AIRFLOW GAUGE: .28

EXH AVG FPM: 270 EXH CFM: 394

TEST RESULTS

FACE VELOCITY PASSED, AVG FPM OF: 104 IS WITHIN ACCEPTANCE
RANGES OF: 100 - 110 FPM.

AIRFLOW SMOKE PATTERNS PASSED, NO SMOKE ESCAPED FROM THE CABINET, THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

FILTER LEAK TEST PASSED, PENETRATION DOES NOT EXCEED 0.01 % AT ANY POINT.

REFERENCE STANDARD NATIONAL SANITATION FOUNDATION #49-2010

TESTING INSTRUMENTS

AVM430-A, AVM430751001
AVM430-A, AVM430803002
AVM430-A, AVM431139001
AXD620, AXD621140001
ATI TDA-2G, 11119
HH 3013, 111160001
3313LL, 050601026

CALIBRATED

4-12-11
5-03-11
9-20-11
9-27-11
11-08-11
11-08-11
10-04-11

NIST # ID # USED

822/272103	A1:
822/272103	A2:
822/272103	A3:
822/272103	A4:
822/272103	A5:
822/272103	A6:
822/272103	A7:

COMMENTS:

- NO ADJUSTMENTS REQUIRED AT THIS TIME. HOOD FAILED.
- EXHAUST OPERATING PROPERLY. ALARM OPERATING PROPERLY.
- ADJUSTED / ZEROED GAUGE.
- INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

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BIOLOGICAL SAFETY CABINET

PARTICLE COUNT RECORDINGS

CLIENT: NECC TEST #: 20504
 ID #: Hood - 5 TEST DATE: 6-22-12
 MODEL #: SG-603A- HE RECALL DATE: 12-31-12
 SERIAL #: 97602 NEW/USED: Used
 LOCATION: CLN Rm. 1 PASS/FAIL: Pass

WORK SURFACE AREA

B.5:	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
F.5:	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
<u>PARTICLES PER CUBIC METERS</u>		<u>PARTICLES PER CUBIC FEET</u>

TEST RESULTS

(PASS) / FAIL: THIS HOOD IS CERTIFIED AS MEETING ISO CLASS 5 IN ACCORDANCE WITH ISO STANDARD 14644-1. THE MAXIMUM PARTICLE LIMIT FOR COMPLIANCE TO ISO CLASS 5 AT .5 MICRON SIZE IS 3520 PARTICLES PER CUBIC METER AND 100 PARTICLES PER CUBIC FOOT.

THE SAMPLING RATE IS 1 CFM. THE LOCATIONS SAMPLED WERE APPROXIMATELY SIX INCHES FROM THE FRONT AND BACK OF THE UNIT AND SPACED EVENLY FROM SIDE TO SIDE.

TESTING INSTRUMENTS	CALIBRATED	NIST #	ID # USED
LWS PARTICLE COUNTER HH 3013, 111160001	11-08-11	822/272103	A1:
MET-ONE PARTICLE COUNTER 3313-LLD-SS, 050601026	10-04-11	822/271458	(A2)

CERTIFIER:

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BIOLOGICAL SAFETY CABINET SERVICE REPORT

CLIENT: NECC

TEST #: 20512 TEST DATE: 6-22-12 RECALL DATE: 12-31-12

ID #: C-Hemo-S MODEL #: 56 605 A SERIAL #: 88020

LOCATION: CIN RM-1 NEW/USED: USED PASS/FAIL: PASS

SUPPLY AIRFLOWS

RANGE:	SR: 49.54 51.51 56.54 58	AVG FPM: 53	PASS/FAIL: P
(50-60)	SC: 53 52 52 50 54 52 56	53	P
(41-57)	SF: 51 54 58 52 55 52 54	54	P

EXHAUST AIRFLOWS

EXHAUST RANGE:	253 - 280 FPM	DUCTED: YES
R1: 275	276	262
R2: 266	282	258
R3: 276	270	257
R4: 253	268	269
EXH AVG FPM: 267	EXH CFM: 390	CF: 5 CFM
		EXH OP: 1.46 FT2
		ACC OP: 3.59 FT2
		MOTOR SPEED: 45%
		FACE VELOCITY: 105
		AIRFLOW GAUGE: .28

TEST RESULTS

FACE VELOCITY PASSED, AVG FPM OF: 105 IS WITHIN ACCEPTANCE
RANGES OF: 100-110 FPM.

AIRFLOW SMOKE PATTERNS PASSED, NO SMOKE ESCAPED FROM THE CABINET, THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

FILTER LEAK TEST PASSED, PENETRATION DOES NOT EXCEED 0.01 % AT ANY POINT.

REFERENCE STANDARD NATIONAL SANITATION FOUNDATION #49-2010

TESTING INSTRUMENTS	CALIBRATED	NIST #	ID #	USED
AVM430-A, AVM430751001	4-12-11	822/272103	A1:	
AVM430-A, AVM430803002	5-03-11	822/272103	A2:	
AVM430-A, AVM431139001	9-20-11	822/272103	A3:	
AXD620, AXD621140001	9-27-11	822/272103	A4:	
ATI TDA-2G, 11119	11-08-11	822/272103	A5:	
HH 3013, 111160001	11-08-11	822/272103	A6:	
3313LL, 050601026	10-04-11	822/272103	A7:	

COMMENTS:

NO ADJUSTMENTS REQUIRED AT THIS TIME. HOOD FAILED.
 EXHAUST OPERATING PROPERLY. ALARM OPERATING PROPERLY.
 ADJUSTED ~~ZEROED~~ GAUGE.
 INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

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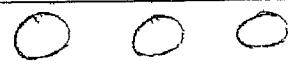
BIOLOGICAL SAFETY CABINET PARTICLE COUNT RECORDINGS

CLIENT: NECC
ID #: Chtemo - 8
MODEL #: SG 603A
SERIAL #: 88020
LOCATION: CLN RM. 1

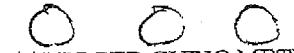
TEST #: 20572
TEST DATE: 6-22-12
RECALL DATE: 12-31-12
NEW/USED: Used
PASS/FAIL: Pass

WORK SURFACE AREA

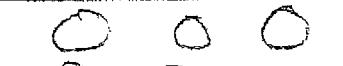
B.5:



F.5:



PARTICLES PER CUBIC METERS



PARTICLES PER CUBIC FEET

TEST RESULTS

PASS/FAIL: THIS HOOD IS CERTIFIED AS MEETING ISO CLASS 5 IN ACCORDANCE WITH ISO STANDARD 14644-1. THE MAXIMUM PARTICLE LIMIT FOR COMPLIANCE TO ISO CLASS 5 AT .5 MICRON SIZE IS 3520 PARTICLES PER CUBIC METER AND 100 PARTICLES PER CUBIC FOOT.

THE SAMPLING RATE IS 1 CFM. THE LOCATIONS SAMPLED WERE APPROXIMATELY SIX INCHES FROM THE FRONT AND BACK OF THE UNIT AND SPACED EVENLY FROM SIDE TO SIDE.

TESTING INSTRUMENTS	CALIBRATED	NIST #	ID # USED
LWS PARTICLE COUNTER HH 3013, 111160001	11-08-11	822/272103	A1 :
MET-ONE PARTICLE COUNTER 3313-LLD-SS, 050601026	10-04-11	822/271458	A2 :

CERTIFIER :

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT: NECC TEST #: 18850
 ADDRESS: ID #: FS 10200
 CITY, STATE: MODEL #: 05-S-13-06
 CONTACT: SERIAL #: QA LAB
 TEL #: LOCATION: USED
 TEST DATE: 6-22-12 NEW/USED:
 RECALL DATE: 12-31-12 PASS/FAIL: PASS

AIRFLOW VELOCITY

ACCEPTANCE RANGE: 60-90 FPM

R1: 84 79 83 80

R2: 86 82 85 81

R3: 79 H: 86 AVG FPM: 83

$AO: 8'' \times 20'' = 1.11$ ^{per}

$Cfm = 92$

AIRFLOW GAUGE: N/A IOW: MOTOR SPEED: 40 %

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE;
THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

AVM430-A, AVM430751001	4-12-11	822/272103	A1
AVM430-A, AVM430803002	5-03-11	822/272103	A2
AVM430-A, AVM431139001	9-20-11	822/249620	A3
AXD620, AXD62114001	9-27-11	822/272103	A4
ATI TDA-2G, 11119	11-08-11	822/272103	A5

COMMENTS:

- NO ADJUSTMENTS REQUIRED AT THIS TIME.
- HOOD FAILED; ACTION REQUIRED.
- PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE.
- INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

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Scientific Air Analysis, Inc.

47 Fatima Drive
Ashland, MA 01721
(508) 881-7100
(508) 881-7105 FAX
1-800-287-5252 MA ONLY

UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT: NECC

TEST #: 18837

ADDRESS:

ID #:

CITY, STATE:

MODEL #: FS 10200

CONTACT:

SERIAL #: 05-S-13-07

TEL #:

LOCATION: QA LAB

TEST DATE: 6-22-12

NEW/USED: USED

RECALL DATE: 12-31-12

PASS/FAIL: PASS

AIRFLOW VELOCITY

ACCEPTANCE RANGE: 60 - 90 FPM AD: 8" x 20" = 1.11 ^{ft²}

R1: 78 85 90 86

R2: 81 73 77 81

R3: 73 H: 90 AVG FPM: 81 CFM = 90

L: 73 H: 90 AVG FPM: 81

AIRFLOW GAUGE: N/A IOW: MOTOR SPEED: 40 %

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE;
THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

AVM430-A, AVM430751001	4-12-11	822/272103	A1 :
AVM430-A, AVM430803002	5-03-11	822/272103	A2 :
AVM430-A, AVM431139001	9-20-11	822/249620	A3 :
AXD620, AXD62114001	9-27-11	822/272103	A4 :
ATI TDA-2G, 11119	11-08-11	822/272103	A5 :

COMMENTS:

 NO ADJUSTMENTS REQUIRED AT THIS TIME. HOOD FAILED; ACTION REQUIRED. PREFILTER(S) WITHIN TOLERANCE. PREFILTER(S) DIRTY; CLEAN OR REPLACE. INCREASED / DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER:

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UNIDIRECTIONAL FLOW CLEAN-AIR DEVICE SERVICE REPORT

CLIENT: *Necc*TEST #: *18664*

ADDRESS:

ID #:

CITY, STATE:

MODEL #: *FS 10400*

CONTACT:

SERIAL #: *05-S-13-08*

TEL #:

LOCATION: *PA LAB*TEST DATE: *6-22-12*NEW/USED: *Used*RECALL DATE: *12-31-12*PASS/FAIL: *PASSED*

AIRFLOW VELOCITY

ACCEPTANCE RANGE: *60-90* FPMR1: *88 90 84 83 79* $8'' \times 44'' = 2.44 \text{ ft}^2$ R2: *85 86 84 87 85*R3: *90 88 84 79 83*L: *83* H: *95* AVG FPM: *86* - *209 CFM*AIRFLOW GAUGE: *N/A* IOW: MOTOR SPEED: *5 %*

TEST RESULTS

AIRFLOW VELOCITY: PASSED, AVERAGE FPM IS WITHIN 90 +/- 10 FPM.

FILTER LEAK TEST: PASSED, PENETRATION DOES NOT EXCEED 0.01% AT ANY POINT.

AIRFLOW SMOKE PATTERNS: PASSED, NO SMOKE ENTERED THE WORK SURFACE;
 THERE ARE NO DEAD SPOTS OR REFLUX OVER THE WORK SURFACE.

REFERENCE STANDARDS: IES-RP-CC 002.2; IES-RP-CC 021.1

TESTING INSTRUMENTS: CALIBRATED: NIST #: ID # USED:

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AVM430-A, AVM431139001	9-20-11	822/249620	<i>A3</i>
AXD620, AXD62114001	9-27-11	822/272103	A4:
ATI TDA-2G, 11119	11-08-11	822/272103	<i>A5</i> :

COMMENTS:

- [] NO ADJUSTMENTS REQUIRED AT THIS TIME.
- [] HOOD FAILED; ACTION REQUIRED.
- [] PREFILTER(S) WITHIN TOLERANCE. [] PREFILTER(S) DIRTY; CLEAN OR REPLACE.
- INCREASED/DECREASED MOTOR BLOWER SPEED TO REBALANCE AIRFLOW.

CERTIFIER: